

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: ) Group Art Unit: 1774  
Takako TAKASU et al. ) Examiner: Marie Rose Yamnitzky  
Application No.: 10/743,337 ) Confirmation No.: 5581  
Filed: December 23, 2003 )  
For: POLYMER, ELECTROLUMINESCENT )  
DEVICE AND LIGHT EMITTING ) Date: June 28, 2007  
DEVICE

**RESPONSE AFTER FINAL**

**MAIL STOP AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the final Office Action mailed March 28, 2007, Applicants respectfully request reconsideration and allowance of the application in view of the following remarks. Claims 1-14 and 17-20 are pending in this application, of which claims 1, 2, 4, 6, 9, and 11 are independent.

Claims 1-12, 17 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Zhuang et al. (US 6,602,395 B1) in view of *Grant & Hackh's Chemical Dictionary* 5<sup>th</sup> ed (1987), page 53. In addition, claims 13, 14, 19 and 20 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Zhuang in view of *Grant & Hackh 's Chemical Dictionary* 5<sup>th</sup> ed (1987), page 53, as applied to claims 1-12, 17 and 18 above, and further in view of Kamatani et al. (US 2003/0059646 A1).

In particular, the Examiner asserts, in relevant part, that the present claims require the thiophene repeating units to have phenyl groups as substituents at present R<sub>7</sub> and R<sub>8</sub>, and that the thiophene repeating units provided by Zhuang's monomer of the third formula in Col. 9 (and first formula in Col. 9) have alkyl or aryl substituents at the corresponding positions. Thus, the Examiner asserts that one of ordinary skill in the art at the time of the invention